



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/520,356

01/04/2005

Mami Uchida

09812.0358-00000

5519

22852

7590

08/04/2009

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER
LLP

901 NEW YORK AVENUE, NW
WASHINGTON, DC 20001-4413

EXAMINER

ANDRAMUNO, FRANKLIN S

ART UNIT

PAPER NUMBER

2424

MAIL DATE

DELIVERY MODE

08/04/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/520,356	Applicant(s) UCHIDA ET AL.	
	Examiner FRANKLIN S. ANDRAMUNO	Art Unit 2424	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04/22/09.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 04/22/09 have been fully considered but they are not persuasive. Applicant argues on page 3 third paragraph, "Margulis is silent regarding the claimed buttons. Processor manipulation of an image, without the use of buttons, cannot teach or suggest the claimed display information for operation." While applicant's point is understood, examiner respectfully disagrees. Margulis teaches on (page 3 paragraph (0043)) remote TV controls (214) may include conventional controls and programmable controls that may be used by a viewer to control certain operating parameters. For example remote TV controls (214) may be used either to control the operation of remote TV (158) or to control the operation of other components and subsystems in systems through a wireless transmission. In addition, remote TV screen (212) may employ touch-screen technology to control various display operating parameters as well as other technologies such as handwriting or voice input recognition. As a result, Margulis is not silent regarding the claimed buttons. As disclosed on (page 3 paragraph (0043)), remote TV controls may be used either to control the operation of remote TV or to control the operation of other components and subsystems in systems through a wireless transmission. These remote TV controls can be programmed to manipulate an image.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable by Cooper et al (US 2004/0237104 A1) in view of Margulis (US 2001/0021998 A1). Hereinafter referred as Cooper and Margulis.

Regarding claims 1, 13, and 18, Cooper discloses a picture display system, method and display apparatus including first (**Large Display (14) in figure 1**) and second display devices (**Handheld Personal Digital Assistant (25) in figure 1**) and a base device for supplying picture signals to at least said first display device (**Base (26) in figure 1**), wherein said first display device includes a picture display unit for displaying said picture signals supplied from said base device (**Large Display (14) in figure 1**); said second display device includes a display unit for displaying the display information for operation (**PDA (25) in figure 1**), for accepting an operating input from a user, operating input accepting means for accepting an operating input from a user (**Remote Control device (12) in figure 1**), operating signal generating means for generating operating signals conforming to display items of said display information for operation (**Generator (13) in figure 1**), as specified by said operating input accepting means, and communication means for transmitting said operating signals to said base

Art Unit: 2424

device (**Broadcast source (11) in figure 1**); said base device including picture signal outputting means for outputting said picture signals at least to said first display device (**wireless transmitter (24) in figure 1**), communication means for receiving said operating signals at least from said second display device (**USB port (23) in figure 1**), external input device connecting means for connecting the base device to an external input device as a source of supply of said picture signals (**PDA (25) in figure 1**), and control signal transmitting means for transmitting an external input device control signal, controlling said external input device, based on said operating signal, to said external input device (**Tuner Control (17) in figure 1**).

However, Cooper fails to teach an operation including a base device selection button and a plurality of additional buttons for switching image modes. Margulis discloses on (**page 5 paragraph (0057)**) processor (518) may also perform various other functions, including image bit allocation based on a particular configuration of remote TV (158), programmable image resolution with filtered image-size scaling. This is an indication that Margulis is able to manipulate the image switch modes.

Therefore, it would have been obvious at the time of the invention to include the use of button for switching image modes. This is a useful combination because users are able to modify the resolution of a screen to display clear image to a device.

Regarding claims 2 and 19, Cooper discloses the picture display system display apparatus according to claims 1 and 18, wherein said operating input accepting means of said second display device includes contact position detection means for detecting a

Art Unit: 2424

contact position on a display surface of said display unit adapted to be contacted by a user (**Frame Buffer (16) in figure 1**); said operating signal generating means generating an operating signal conforming to a display item of said display information for operation displayed at a contact position on said display image surface detected by said contact position detection means (**Receiver (15) in figure 1**).

Regarding claim 3, Cooper discloses the picture display system according to claim 1, wherein said communication means of said base device transmits at least a response signal to said operating signal to said display device (**Synchronizer (22) in figure 1**); said communication means of said second display device receiving said response signal (**PDA (25) in figure 1**).

Regarding claims 4 and 14, Cooper discloses the picture display system and method according to claims 1 and 13, wherein said base device further includes tuner means (**Tuner Control (17) in figure 1**) and sends picture signals selected by said tuner means based on said operating signal via said picture signal outputting means to said first display device (**Large Display decoder in figure 1**).

Regarding claims 5 and 15, Cooper discloses the picture display system and method according to claims 1 and 13, wherein said first display device further includes tuner means (**Tuner Control (17) in figure 1**) and displays picture signals selected by said tuner means based on an operating signal from said base device on said picture display unit (**Frame Buffer (16) in figure 1**).

Regarding claim 6, Cooper discloses the picture display system according to claim 1, wherein said control signal transmitting means of said base device transmits

Art Unit: 2424

said external input device control signal for said external input device over a wireless route **(Send to wireless device in figure 4)**.

Regarding claim 7, Cooper discloses the picture display system according to claim 6, wherein said control signal transmitting means of said base device converts the external input device control signal, transmitted over the wireless path, into infrared signals, which are output **(Send to handheld device via USB port in figure 4)**.

Regarding claims 8 and 16, Cooper discloses the picture display system and method according to claims 1 and 13, wherein said base device further includes receiving means connected to a communication network and adapted for receiving information signals transmitted through said communication network **(Synchronizer (22) in figure 1)**, and transmission control means for performing control for transmitting said information signals to a specified display device in case said operating signal is a transmission command for transmitting said information signals to said first display device and/or said second display device **(Large Display (14) and PDA (25) in figure 1)**.

Regarding claims 9 and 17, Cooper discloses the picture display system and method according to claims 1 and 13, wherein said base device further includes transmission information transmitting means **(wireless transmitter (24) in figure 1)** which, in case said operating signal is the transmission information to be sent to a counterpart connected to said base device over said communication network, sends said transmission information over said communication network to the target counterpart **(PDA (25) in figure 1)**.

Regarding claim 10, Cooper discloses The picture display system according to claim 1, wherein said display information for operation is transparently displayed on said display image surface **(Handheld format encoder (18) in figure 1)**.

Regarding claim 11, Cooper discloses The picture display system according to claim 1, wherein said external input device connecting means is connected via an amplifier to said external input device as a source of supply of said image signals **(Receiver (15) in figure 1)**.

Regarding claim 12, Cooper discloses the picture display system according to claim 1, wherein said second display device has an interlock/non-interlock function of selecting **(Frame Buffer (16) in figure 1)** whether or not picture signals supplied to said first display device are to be switched in association operatively with display contents of said display information for operation **(PVR CPU (21) in figure 1)**.

Regarding claims 20, Margulis discloses the picture display system according to claim 1, wherein the display information includes a switching button **(page 2 paragraphs (18) and (19))**, and the picture signal outputting means switches the picture signals when the switching button is activated **(page 1 paragraph (0016))**.

Conclusion

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

Art Unit: 2424

TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANKLIN S. ANDRAMUNO whose telephone number is (571)270-3004. The examiner can normally be reached on Mon-Thurs (7:30am - 5:00pm) alternate Fri off (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Kelley can be reached on (571)272-7331. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 10/520,356
Art Unit: 2424

Page 9

/Son P Huynh/
Primary Examiner, Art Unit 2424

August 2, 2009